Motorola SL4000 Series

- Discreet, light, thin and easy-to-use portable digital radio.
- Up to 1,000 channels.
- Missed call alerting.
- Ability to private call and text.
- Bluetooth compatible.
- Vibracall/lone working/ call-logging functionality.

Motorola's new generation of digital radio solution is here and the SL4000 series handhelds are leading the way.

SL4000 series handsets are designed with discretion in mind. Being the same kind of size and width (or even smaller) than your mobile phone, these new top-of-the-range radios are being rolled out in hotels, restaurants and office buildings across the country.

The SL4000 series offers all the benefits of advanced digital technology, such as background-noise cancelling and split channel operation within an easy-to-use, portable handset.

By opting for the SL4000 series, users of the handset have the ability to initiate and receive private calls (handset to handset), send text messages and log all their calls. SL4000 series handsets are also compatible with Bluetooth audio and Bluetooth data.

From the concierge desk to the convention centre, the SL4000 series keeps you instantly connected and in control.

For more details please email ***sales@cyfas.co.uk*** *or call our team on* ***01462 818880****.*

Advanced Communication Solutions

DIGITAL HAS NEVER LOOKED BETTER

From the concierge desk to the convention centre, MOTOTRBO™ SL Series keeps you instantly connected and in control with an incredibly sleek and light radio for the ultimate in discreet communication.

Versatile and powerful, our revolutionary MOTOTRBO portable combines the best of two-way radio functionality with the latest digital technology. SL Series radios integrate voice and data seamlessly, offer enhanced features that are easy to use, such as integrated Bluetooth®, covert mode, vibrate alert and Intelligent Audio. Designed in a small form factor so sophisticated, it is like no other radio you have used.

Only the SL Series enhances your professionalism, so you can remaster your productivity and image like never before.

DISCREET WAS NEVER SO SLEEK

Everything about the SL Series portable is designed for discretion and professionalism. From its incredibly sleek shape –so your staff will always look professional –to its exceptionally slim size. Hold it in your hand and feel how light it is –less than half the weight of a standard radio. It's so effortless to carry, comfortable to wear and elegant in styling, it complements the most upscale attire.

The accessories are also designed to complement the sleek, compact design of the SL Series portables. Bluetooth® wireless and compact single-wire earpieces enhance discreet communication and increase client satisfaction.

AUDIO BEYOND EXPECTATIONS

When it comes to exceptional audio clarity, the quality of digital can't be surpassed. With the SL Series portables, you get digital quality plus unique features to help your employees hear and speak clearly, wherever they work.

With the Intelligent Audio feature, the radio volume automatically adjusts to compensate for background noise so managers won't miss a call on the manufacturing floor or disturb others when they return to the main office. The radio's background noise suppression filters out external clamour – from crowded conventions to bustling airport gates. And Bluetooth® audio, embedded right in the radio, provides wireless voice communication with outstanding clarity and discretion.

INTEGRATED DATA SOLUTIONS

Whether the front desk is assisting a guest or the event planner is preparing for a special event, sharing information instantly is paramount. The SL Series features text messaging and embedded Bluetooth® data in the radio so work teams can share real time information, saving valuable hours and enabling better decision making.

Plus your staff can read work order tickets and text messages quickly and clearly on the large, high resolution, full-colour screen.

Take a look at the enhanced work order ticket management in the SL Series and see what true efficiency can be. We've eliminated a number of steps to read work order tickets and the five line display presents data at a glance–saving time and eliminating scrolling through screens.

And Motorola's Application Developer Program offers customised data applications tailored to your operations. With the largest developer program in the industry, data applications help meet your objectives – from email gateways to telephony integration, and more.

COVERT WHEN IT COUNTS

Put the SL Series radio in covert mode and it goes dark – shielding the display, LED lights and audible tones –for the ultimate in discretion. Your security personnel can hear clearly using our inconspicuous audio accessories, but no one else can. These accessories – a swivel earpiece or surveillance earpiece with a translucent tube – are so small, sleek and powerful, your staff can converse privately and conveniently wherever they work. For further discretion, they can use the vibrate alert feature to switch the radio to vibrate mode and never disturb or interrupt guests again.

EXCEPTIONALLY INTUITIVE

The high resolution, full colour screen on the SL Series portable automatically senses ambient light and adjusts backlighting for optimal viewing in all kinds of conditions. It also features a full keypad and an enhanced programmable button that manages up to nine frequently used features. Press a button and access all of your contacts or check the status of a work ticket with just a touch.

Customisable voice announcement provides audible confirmation so a user can be notified of channel and zone changes or programmable button statuses without having to view the radio display.

MOTOROLA'S APPLICATION DEVELOPER PROGRAM: BUILT FOR YOUR BUSINESS

Powerful and flexible, MOTOTRBO is a business critical communication tool that adapts to your workforce, your customers and your operations.

With the industry's largest Application Developer Program, MOTOTRBO offers a wide array of data applications to expand communication beyond voice. What's more, you can work directly with third-party developers or your own IT staff to create customised applications designed for your unique needs.

MOTOROLA
PROFESSIONAL RADIO
APPLICATION provider
MAKING SOLUTIONS WORK FOR YOU

KEEP BUSINESS RUNNING SMOOTHLY WITH BUSINESS APPLICATIONS:

- **Work order tickets** for faster customer response
- **Integrated Bluetooth®** for sharing data wirelessly and instantly between devices
- **Dispatch consoles** for centralised communication
- **Email gateways** to connect to email from your radio
- **Network monitoring** to maximise system utilisation
- **Man-down applications** so radios call for help when workers can't
- **Telephony** for communication between radios and landline or mobile phones
- **Text messaging** for quick and discreet communication

EXPANDED CAPACITY AND COVERAGE

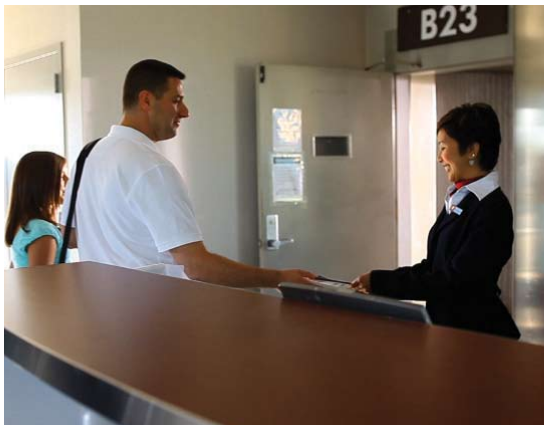
Your personnel are on the move –throughout your buildings and across your properties. That's why you need the far-reaching performance of MOTOTRBO. The IP Site Connect solution dramatically improves customer service and productivity by using the Internet to extend coverage to create a wide area network, enhance single site coverage or link geographically dispersed locations. Capacity Plus provides single-site trunking, expanding capacity to over 1,000 users. Combining the benefits of both solutions, Linked Capacity Plus is an entry-level, multi-site trunking solution that expands capacity and extends coverage so large work teams can stay connected across a wide area. So whether you want expanded coverage at a single site or across multiple ones, MOTOTRBO can be scaled to meet your voice and data communication needs.

REMARKABLY RELIABLE

MOTOTRBO meets the most demanding specs, including IP54 for dust and water protection and U.S. Military Standard 810 C, D, E, F and G. For further peace of mind, it's even backed by a two-year manufacturer's warranty as standard[1].

COMPREHENSIVE SERVICE AND SUPPORT

No matter what help your business might need, we have a service that delivers. We can provide assistance at every stage of the solutions lifecycle, from initial planning, through to solution integration and ongoing support.



Managing in-house repairs and maintenance of your radios takes a dedicated staff of technicians and an ongoing investment in diagnostic equipment, repair tools and technical training to keep up to speed on the latest technology.

We've made that investment for you so you can easily and cost-effectively keep radios in top operating condition. With Service from the Start with Comprehensive Coverage[2], you can protect your MOTOTRBO SL radios against accidental damage, normal wear and tear, and more.

This unique offering comprises fast turnaround times, expert telephone technical support and access to the latest software releases[3]; all backed by Motorola's global infrastructure, highly qualified support technicians and certified repair facilities. You'll get multi-year technical support and repair coverage, eliminating 'surprise' repair costs and providing the investment protection you need to reduce your total cost of ownership.

Enhanced Peace of Mind

Despite the robust design of the SL Series, we recognise that accidents happen. In addition to normal wear and tear, Service from the Start includes Comprehensive Coverage to protect you from accidental breakage so you can enjoy enhanced peace of mind. No matter what is damaged, from broken displays and cracked housing to other internal and external components, the repair is covered.

"It means a lot that we have a radio that can provide that service because at the end of the day, I want to be satisfied with feeling that I've just given our guests and residents a five star, Five Diamond service."

- Max Jenue-Gens
Security Officer, Acqualina Resort and Spa on the Beach, Miami

BE READY FOR THE FUTURE WITH THE RIGHT STANDARD

MOTOTRBO complies with the globally-recognised European Telecommunications Standard Institute (ETSI) Digital Mobile Radio (DMR) Tier 2 standard for professional two-way radio users.

DMR is widely supported by the leading two-way manufacturers in the industry and the most widely deployed digital mobile radio technology worldwide. This open standard assures long-term sustainability and creates a community of manufacturers who build interchangeable equipment that can compete on features, benefits and price.

DMR
DIGITAL MOBILE RADIO ASSOCIATION

FEATURES AT-A-GLANCE

1. Dual internal speakers deliver loud, clear audio quality
2. Tri-colour LED indicator for clear, visible feedback of calling, scanning, roaming and monitoring features.
3. Contoured push-to-talk button provides comfort and is easy to access
4. 4-way navigation disc for easy scrolling through menus and channels (supports up to 1,000 channels)
5. Easy to access volume control buttons
6. 2 programmable buttons for quick access to frequently used features; ability to programme up to 9 of your favourite features into a single programmable button
7. Programmable side emergency button
8. Audio connector port supports discreet wired audio accessories (wireless Bluetooth® audio also available)
9. Built-in photosensor intuitively adjusts backlighting on the screen to optimise viewing in all types of conditions, special "day/night mode" changes screen and illuminates icons to make them clear and readable in varying light conditions
10. Large, high-definition, 5 line, colour display offers high clarity and resolution
11. Intelligent Audio feature automatically adjusts the radio volume according to the environment's noise level
12. Innovative antenna design optimises range performance

ADDITIONAL FEATURES

- 2W DMR digital radio
- Weighs less than one-half of a standard two-way radio
- Operates in UHF 403-470 MHz frequency band
- Discreet communications; covert mode setting and vibrate alert feature for increased security and privacy
- Customisable voice announcement provides audible confirmation of channel or zone changes or programmable button status, without having to view the radio display
- Send quick text messages including customisable and pre-programmed messages
- Enhanced work order ticket management feature simplifies use and improves work order ticket response time

STANDARD PACKAGE

- 5 line colour display portable radio
- Carry holder
- Compact Li-Ion battery
- Battery cover
- Plug-in charger
- 2 year standard warranty[1]

"The Motorola SL Series is fantastic. It's really lightweight. It's very easy to use."

- Ruby Mountain
Reception, Claridge's Hotel, London

Success in your business relies on the fundamentals—attention to detail, exceptional customer service and rapid response to your customers' needs. SL Series accessories enhance your ability to serve your customers effectively – with forward-thinking features like integrated Bluetooth® and Intelligent Audio – so you can remaster your productivity and image. That's why it's critical to choose the only accessories certified to perform best with MOTOTRBO radios.

ENHANCE MOBILITY WITH INTEGRATED BLUETOOTH

Whether hotel staff are responding to guest requests or a security team is covering a special event, sharing information instantly, easily and seamlessly is critical to your business. So we embedded Bluetooth® audio in our MOTOTRBO radios to make communications even more convenient. Our exclusive Operations Critical Wireless earpiece handles loud environments while an optional wireless push-to-talk (PTT) button links to any earpiece to enable more discreet communications. Just put the PTT in a pocket or on a lapel and connect instantly.

MOVE FROM HECTIC TO HUSHED

Our SL Series radios offer a smart feature–Intelligent Audio–that adjusts radio volume to fit the environment's noise level. Intelligent Audio also works with select audio accessories, giving your workforce even more communication flexibility.

Connect an SL Series accessory and the Intelligent Audio feature automatically adjusts radio volume and filters out background noise, drastically improving audio clarity. Now your employees won't miss a call at a bustling banquet or disturb others when they move into a quiet hallway.

TALK COMFORTABLY AND COVERTLY

Our single-wire swivel earpiece and surveillance earpiece are small, sleek and powerful, so your employees can communicate easily wherever they walk and talk.

The transparent coiled cord and rubber earbud on the surveillance earpiece offers greater discreetness for security personnel. The flexible-fitting swivel earpiece is comfortable, even for extended shifts. Both earpieces have an in-line microphone and push-to-talk, making communication easier and unobtrusive.

Add compact carrying accessories – like a swivel carry holder or a lightweight wrist strap – and you've got flexibility and comfort that meets the needs of the busiest people on your team.

THIN IS IN - FROM BATTERIES TO CHARGERS

From the standard cell phone-sized batteries to the micro-USB charger, we designed our SL Series accessories with portability, professionalism and convenience as our top priorities. Both the standard and high-capacity batteries are so slim and lightweight that it's easy to carry spares.

Our unique multi-unit charger merges high power with high image, allowing you to charge up to six radios or batteries simultaneously. This charger is both functional and sleek in design.

Carry Holder

Multi-Unit Charger

Swivel Earpiece

Wrist Strap

Operations Critical Wireless Earpiece

"When I first saw the MOTOTRBO SL Series I thought that it was a cell phone, not an actual two-way radio. It has all the capabilities of a two-way radio but with a professional, discreet look that fits absolutely well with all our uniforms."

- Juan Velez
Director of IT, Acqualina Resort and Spa on the Beach, Miami

SL SERIES SPECIFICATIONS

GENERAL SPECIFICATIONS

		SL4000/SL4010
Channel Capacity		1000
Frequency		403 - 470 MHz
Radio with BT70 Li-ion (1400mAh) Battery	Height (H) x Width (W) x Thickness (T)	121 x 55 x 17.4 mm (4.76 x 2.17 x .68 inches)
	Weight	153 g (5.39 oz)
Radio with BT90 Li-ion (1800mAh) Battery	Height (H) x Width (W) x Thickness (T)	121 x 55 x 19.8 mm (4.76 x 2.17 x .78 inches)
	Weight	165 g (5.82 oz)
Power Supply		3.7 V (Nominal)
Average battery life at 5/5/90 duty cycle with battery saver enabled[4]		
BT70 Li-ion (1400mAh) Battery		8.5 hrs
BT90 Li-ion (1800mAh) Battery		11.5 hrs

RECEIVER

Frequencies	403 - 470 MHz
Channel Spacing	12.5 kHz
Frequency Stability	±1.5ppm
Digital Sensitivity	5% BER : 0.3uV
Rated Audio	0.5W
Conducted Spurious Emission (TIA603D)	-57dBm

TRANSMITTER

Frequencies	403 - 470 MHz
Channel Spacing	12.5 kHz
Frequency Stability	±1.5ppm
Low Power Output	2W
4FSK Digital Modulation	12.5kHz Data: 7K60F1D & 7K60FXD
	12.5kHz Voice: 7K60F1E & 7K60FXE
	Combination of 12.5kHz Voice and Data: 7K60F1W
Conducted/Radiated Emission (TIA603D)	-36 dBm < 1GHz / -30 dBm > 1GHz
Digital Vocoder Type	AMBE+2™
Digital Protocol	ETSI TS 102 361 -1,-2,-3

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-10° C to +60° C
Storage Temperature	-30° C to +70° C[5]
Thermal Shock	Per MIL-STD
Humidity	8 hr soak @ +50° C and 95% RH
ESD	IEC 61000-4-2
Dust and Water Intrusion	IP54
Salt Fog	8 hrs exposure to 5% saline solution (sodium chloride) at 35° C, 16 hours standing period

BLUETOOTH

Version	Supports Bluetooth® 2.1 + EDR Specification
Profiles Supported	Bluetooth Headset Profile (HSP), Serial Port Profile (SPP), Motorola fast push-to-talk.
Devices Supported	Radio supports 1 Bluetooth audio accessory and 1 Bluetooth data device simultaneously
Range	Class 2, 10 metres

MILITARY STANDARDS

	MIL-STD- 810C		MIL-STD- 810D		MIL-STD- 810E		MIL-STD- 810F		MIL-STD- 810G	
APPLICABLE MIL-STD	**METHOD**	**PROCEDURES**	**METHOD**	**PROCEDURES**	**METHOD**	**PROCEDURES**	**METHOD**	**PROCEDURES**	**METHOD**	**PROCEDURES**
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.5	II
High Temperature	501.1	I	501.2	I/A1,II/A1	501.3	I/A1, II/A1	501.4	I/Hot, II/Hot	501.5	I/A1, II/A1
Low Temperature	-	-	502.2	I/C1, II/C1	502.3	I/C1, II/C1	502.4	I/C1, II/C1	502.5	I/C1, II/C1
Temperature Shock	-	-	503.2	I/A1/C1	503.3	I/A1/C1	503.4	I	503.5	I/C
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	I/A1
Rain	506.1	I	506.2	I	506.3	I	506.4	I	506.5	I
Dust	510.1	I	510.2	I	510.3	I	510.4	I	510.5	I
Vibration	514.2	VIII/F, Curve-W	514.3	I/10, II/3	514.4	I/10, III/3	514.5	I/24	514.6	I/24
Shock	516.2	II	516.3	IV	516.4	IV	516.5	IV	516.6	IV, VI

[1] Battery and accessory warranty period is twelve months.
[2] Availability of Service from the Start may vary by country.
[3] Software release includes patches and maintenance releases of the current version
[4] Actual battery runtime observed may vary based on the use of certain features such as Bluetooth® and Option Board based applications.
[5] Radio only - Li-ion battery -10C
Specifications subject to change without notice. All specifications shown are typical.
Radio meets applicable regulatory requirementes.